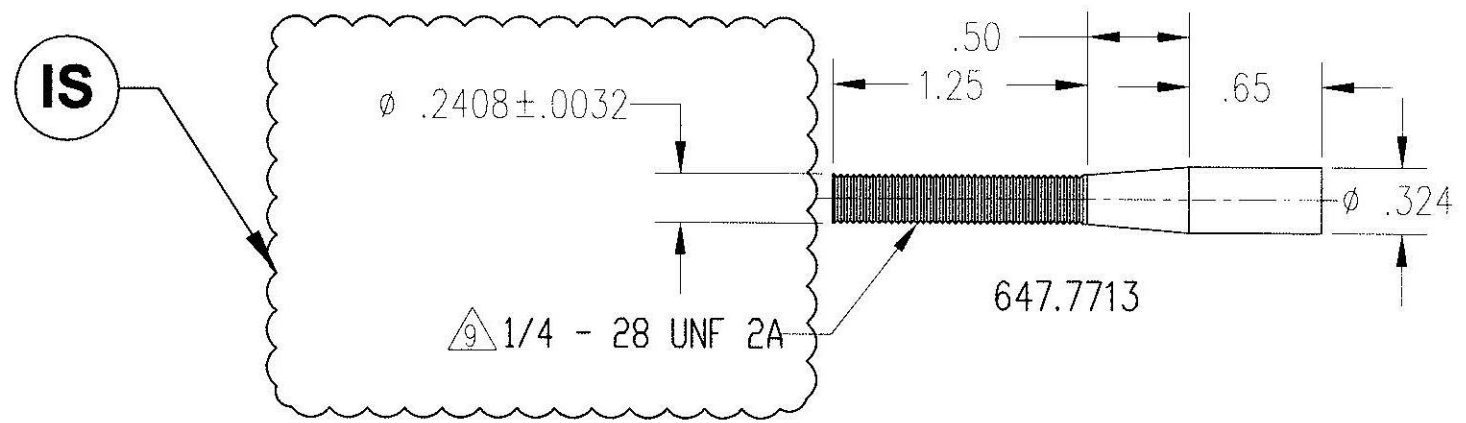




APICAL INDUSTRIES, INC.
dba DART AEROSPACE

| | | | |
|--|-----------------|----------------------|--------------------|
| ENGINEERING CHANGE NOTICE NO. 05397 | | SHEET 1 OF 1 | |
| DWG NO. 647.7700 | REV: A | PREPARED BY T. CROSS | DATE: 05/02/16 |
| DWG TITLE: STRUT ASSY | | | |
| APPROVED BY: ENGR [Signature] | MFG [Signature] | QC [Signature] | EFF: [Signature] |
| REASON: REVISED DIMENSION | | | CURRENT ORDER |
| TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE | | | ECR: 16-028 |
| | | | ACTION LIST: 1. |

SHEET 2, ZONE D4 IS:



| | | |
|--|--|---|
| DOCUMENTS EFFECTED: | CHANGE CATEGORY | DER REVIEW REQUIRED |
| <input type="checkbox"/> PATTERN <input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM | <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |



APICAL INDUSTRIES, INC.
dba DART AEROSPACE

ENGINEERING CHANGE NOTICE NO.

05110

SHEET 1 OF 1

DWG NO. 647.7700

REV: A

PREPARED
BY

A. QUAN

DATE: 08/21/15

EFFECT ON DWG

☐ INC. ☒ UNINC.

DWG TITLE: STRUT ASSY

APPROVED BY:

ENGR

MFG

QC

EFF.

CURRENT ORDER

TRANSACTION CODES (TC):

A-ADD

C-CREATE

R-REVISE

D-DELETE

REASON: REVISED FINISH CALLOUT AS PER ECR 15-209

SHEET 1, NOTES IS:

ACTION: UPDATE MO & WO

NOTES:

- 1 MATERIAL: 4130 STEEL PER AMS-T-6736, .50" OD, .083" WALL THK.
- 2 MATERIAL: 4130 STEEL PER AMS-T-6736, .375" OD, .075" WALL THK.
- 3 MATERIAL: 4130 STEEL PER AMS-T-6736, .324" OD.
- 4 FINISH: PRIME IAW MIL-P-2337J TYPE I CLASS N; 1-2 MIL MAX
5. DEBURR AND BREAK ALL SHARP EDGES
6. IDENTIFY IAW MPP-120.
- 7 WELD IAW MIL-STD-2219. TIG WELD WITH FILLER ROD
- 8 FINISH: CAD PLATE IAW QQ-P-416F CLASS I TYPE II
- 9 MASK THREAD PRIOR TO FINISH

| F/N | TC | PART NUMBER | QTY | DESCRIPTION | MATERIAL/SPECIFICATION |
|---|----|-------------|-----|--|------------------------|
| DOCUMENTS EFFECTED: <input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUCTIONS <input type="checkbox"/> ICA <input type="checkbox"/> FMS <input type="checkbox"/> BOM | | | | | |
| CHANGE CATEGORY | | | | DER REVIEW REQUIRED | |
| <input type="checkbox"/> MAJOR <input type="checkbox"/> MINOR | | | | <input type="checkbox"/> YES <input type="checkbox"/> NO | |

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

NOTES:

- 1 MATERIAL: 4130 STEEL PER AMS-T-6736, .50" OD, .083" WALL THK.
- 2 MATERIAL: 4130 STEEL PER AMS-T-6736, .375" OD, .075" WALL THK.
- 3 MATERIAL: 4130 STEEL PER AMS-T-6736, .324" OD.
- 4 FINISH: PRIME IAW MIL-P-2337J TYPE I CLASS N; 1-2 MIL MAX
5. DEBURR AND BREAK ALL SHARP EDGES
6. IDENTIFY IAW MPP-120.
- 7 WELD IAW MIL-STD-2219. TIG WELD WITH FILLER ROD
- 8 FINISH: CAD PLATE IAW MIL-C-5541 CLASS 1A
- 9 MASK THREAD PRIOR TO FINISH

| REVISIONS | | | |
|-----------|------------------------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| | LAST PROTOTYPE REVISION: PR2 | | N/C |
| N/C | INITIAL RELEASE | 12/02/09 | P. BRAVO |
| A | INCORPORATED ECN 04741 | 11/13/14 | P. BRAVO |

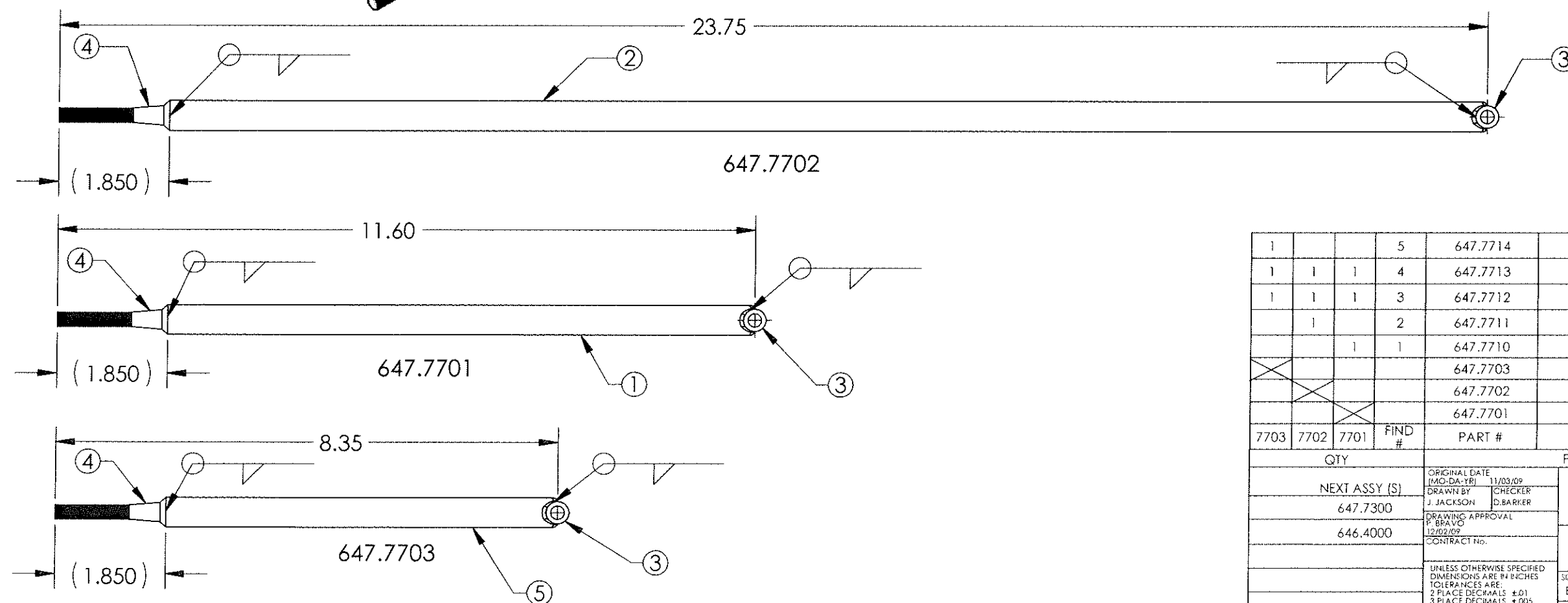
647.7701

647.7703

647.7702

UNINCORPORATED ECN(s)

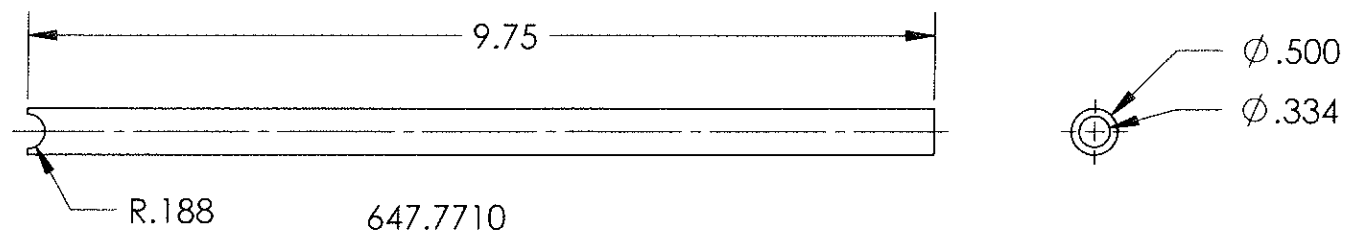
05110, 05397,



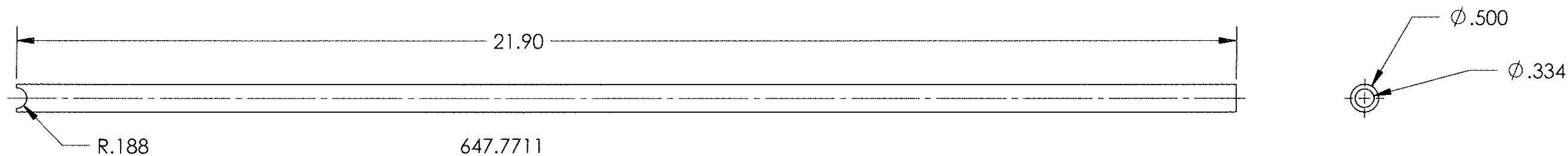
| | | | | | | | | |
|---------------|-------------|-------------|--------|---|--|----------------|-------------------------------|----------------------|
| 1 | | | 5 | 647.7714 | STRUT TUBE | △ ₁ | | |
| 1 | 1 | 1 | 4 | 647.7713 | STRUT THREAD | △ ₃ | △ ₈ | |
| 1 | 1 | 1 | 3 | 647.7712 | STRUT TUBE | △ ₂ | | |
| | 1 | | 2 | 647.7711 | STRUT TUBE | △ ₁ | | |
| | | 1 | 1 | 647.7710 | STRUT TUBE | △ ₁ | | |
| <div></div> | <div></div> | <div></div> | | 647.7703 | STRUT ASSY | | △ ₄ △ ₇ | |
| <div></div> | <div></div> | <div></div> | | 647.7702 | STRUT ASSY | | △ ₄ △ ₇ | |
| <div></div> | <div></div> | <div></div> | | 647.7701 | STRUT ASSY | | △ ₄ △ ₇ | |
| 7703 | 7702 | 7701 | FIND # | PART # | DESCRIPTION | MAT'L | SPEC. | |
| QTY | | | | PARTS LIST | | | | |
| NEXT ASSY (S) | | | | ORIGINAL DATE 11/03/09 | <div>APICAL INDUSTRIES</div> <div>2608 TEMPLE HEIGHTS DR.</div> <div>OCEANSIDE, CA. 92056-3512 (760)724-5300</div> <div>STRUT ASSY</div> | | | |
| 647.7300 | | | | DRAWN BY J. JACKSON | | | | CHECKER D. BARKER |
| 646.4000 | | | | DRAWING APPROVAL B. BRAVO | | | | |
| | | | | 12/02/09 | | | | |
| | | | | CONTRACT No. | | | | |
| | | | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5° | | | | |
| SIZE | | CAGE CODE | | DWG. NO. | | REV. | | |
| B | | 07MZ6 | | 647.7700 | | A | | |
| SCALE NONE | | | | | | SHEET 1 OF 2 | | |

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

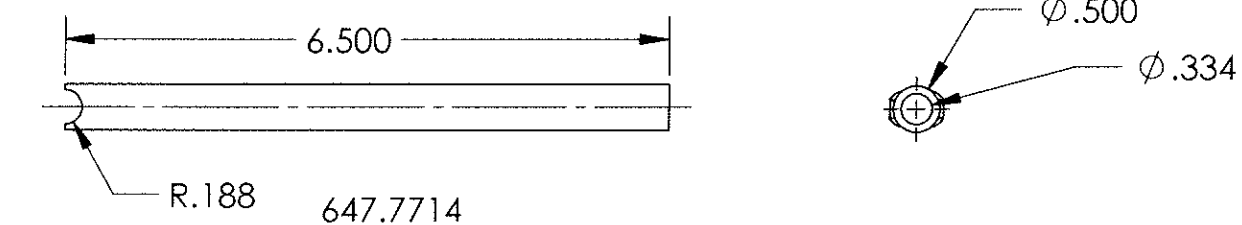
A



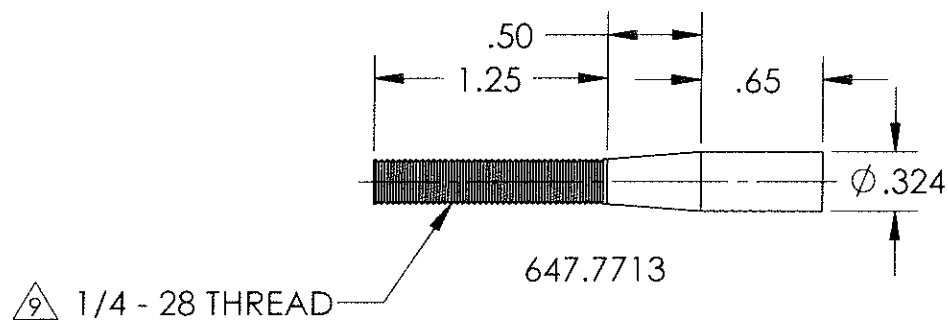
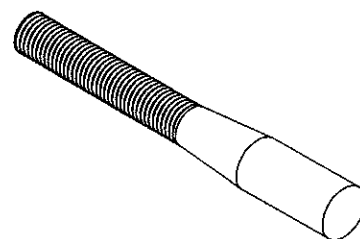
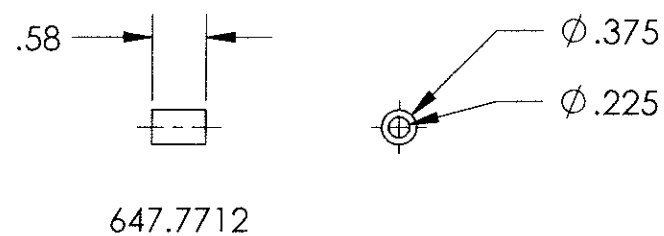
B



C



D



| | | | |
|---|----------------------|---|----------------------|
| ORIGINAL DATE (MO-DA-YR) 11/03/09 | | APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300 | |
| DRAWN BY J. JACKSON | CHECKER D. BARKER | | |
| DRAWING APPROVAL P. BRAVO | | STRUT ASSY | |
| CONTRACT NO. | | SIZE B | REV. A |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5° | | CAGE CODE 07M26 | DWG. NO. 647.7700 |
| | | SCALE: NONE | SHEET 2 OF 2 |